


|  |  |   |
|--|--|---|
| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>10/628,500 | <b>Applicant(s)/Patent under Reexamination</b><br>MIYAZAWA ET AL. |
|  | <b>Examiner</b><br>Khiem D. Nguyen           | <b>Art Unit</b><br>2823   |

| ISSUE CLASSIFICATION |                                   |          |  |  |                              |    |   |    |      |             |  |  |   |
|----------------------|-----------------------------------|----------|--|--|------------------------------|----|---|----|------|-------------|--|--|---|
| ORIGINAL             |                                   |          |  |  | INTERNATIONAL CLASSIFICATION |    |   |    |      |             |  |  |   |
| CLASS                |                                   | SUBCLASS |  |  | CLAIMED                      |    |   |    |      | NON-CLAIMED |  |  |   |
| 257                  |                                   | 312      |  |  | H                            | 01 | L | 27 | /108 |             |  |  | / |
| CROSS REFERENCES     |                                   |          |  |  |                              |    |   |    | /    |             |  |  | / |
| CLASS                | SUBCLASS (ONE SUBCLASS PER BLOCK) |          |  |  |                              |    |   |    | /    |             |  |  | / |
| 257                  | 595                               |          |  |  |                              |    |   |    | /    |             |  |  | / |
| 438                  | 379                               | 381      |  |  |                              |    |   |    | /    |             |  |  | / |
| 361                  | 56                                | 277      |  |  |                              |    |   |    | /    |             |  |  | / |
|                      |                                   |          |  |  |                              |    |   |    | /    |             |  |  | / |
|                      |                                   |          |  |  |                              |    |   |    | /    |             |  |  | / |

|   |  |  |                       |
|---|--|--|-----------------------|
| <i>Khiem Nguyen</i> 11/27/06<br>(Assistant Examiner) (Date) | MATTHEW SMITH<br>SUPERVISORY PATENT EXAMINER<br>TECHNOLOGY CENTER 2800<br>(Primary Examiner) (Date)<br><i>Matthew Smith</i> 11/27/06 | Total Claims Allowed: 16<br>O.G. Print Claim(s)<br>1 | O.G. Print Fig.<br>5A |
|---|--|--|-----------------------|

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |          |       |          |       |          |       |          |       |          | <input type="checkbox"/> CPA |          | <input type="checkbox"/> T.D. |          | <input type="checkbox"/> R.1.47 |          |
|--|----------|-------|----------|-------|----------|-------|----------|-------|----------|------------------------------|----------|-------------------------------|----------|---------------------------------|----------|
| Final  | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final                        | Original | Final                         | Original | Final                           | Original |
|  | 1        |       | 31       |       | 61       |       | 91       |       | 121      |                              | 151      |                               | 181      |                                 | 211      |
|  | 2        |       | 32       |       | 62       |       | 92       |       | 122      |                              | 152      |                               | 182      |                                 | 212      |
| 1  | 3        |       | 33       |       | 63       |       | 93       |       | 123      |                              | 153      |                               | 183      |                                 | 213      |
| 3  | 4        |       | 34       |       | 64       |       | 94       |       | 124      |                              | 154      |                               | 184      |                                 | 214      |
| 4  | 5        |       | 35       |       | 65       |       | 95       |       | 125      |                              | 155      |                               | 185      |                                 | 215      |
| 5  | 6        |       | 36       |       | 66       |       | 96       |       | 126      |                              | 156      |                               | 186      |                                 | 216      |
| 2  | 7        |       | 37       |       | 67       |       | 97       |       | 127      |                              | 157      |                               | 187      |                                 | 217      |
| 6  | 8        |       | 38       |       | 68       |       | 98       |       | 128      |                              | 158      |                               | 188      |                                 | 218      |
| 7  | 9        |       | 39       |       | 69       |       | 99       |       | 129      |                              | 159      |                               | 189      |                                 | 219      |
| 8  | 10       |       | 40       |       | 70       |       | 100      |       | 130      |                              | 160      |                               | 190      |                                 | 220      |
| 9  | 11       |       | 41       |       | 71       |       | 101      |       | 131      |                              | 161      |                               | 191      |                                 | 221      |
| 10   | 12       |       | 42       |       | 72       |       | 102      |       | 132      |                              | 162      |                               | 192      |                                 | 222      |
| 11   | 13       |       | 43       |       | 73       |       | 103      |       | 133      |                              | 163      |                               | 193      |                                 | 223      |
| 12   | 14       |       | 44       |       | 74       |       | 104      |       | 134      |                              | 164      |                               | 194      |                                 | 224      |
| 13   | 15       |       | 45       |       | 75       |       | 105      |       | 135      |                              | 165      |                               | 195      |                                 | 225      |
| 14   | 16       |       | 46       |       | 76       |       | 106      |       | 136      |                              | 166      |                               | 196      |                                 | 226      |
| 15   | 17       |       | 47       |       | 77       |       | 107      |       | 137      |                              | 167      |                               | 197      |                                 | 227      |
| 16   | 18       |       | 48       |       | 78       |       | 108      |       | 138      |                              | 168      |                               | 198      |                                 | 228      |
|  | 19       |       | 49       |       | 79       |       | 109      |       | 139      |                              | 169      |                               | 199      |                                 | 229      |
|  | 20       |       | 50       |       | 80       |       | 110      |       | 140      |                              | 170      |                               | 200      |                                 | 230      |
|  | 21       |       | 51       |       | 81       |       | 111      |       | 141      |                              | 171      |                               | 201      |                                 | 231      |
|  | 22       |       | 52       |       | 82       |       | 112      |       | 142      |                              | 172      |                               | 202      |                                 | 232      |
|  | 23       |       | 53       |       | 83       |       | 113      |       | 143      |                              | 173      |                               | 203      |                                 | 233      |
|  | 24       |       | 54       |       | 84       |       | 114      |       | 144      |                              | 174      |                               | 204      |                                 | 234      |
|  | 25       |       | 55       |       | 85       |       | 115      |       | 145      |                              | 175      |                               | 205      |                                 | 235      |
|  | 26       |       | 56       |       | 86       |       | 116      |       | 146      |                              | 176      |                               | 206      |                                 | 236      |
|  | 27       |       | 57       |       | 87       |       | 117      |       | 147      |                              | 177      |                               | 207      |                                 | 237      |
|  | 28       |       | 58       |       | 88       |       | 118      |       | 148      |                              | 178      |                               | 208      |                                 | 238      |
|  | 29       |       | 59       |       | 89       |       | 119      |       | 149      |                              | 179      |                               | 209      |                                 | 239      |
|  | 30       |       | 60       |       | 90       |       | 120      |       | 150      |                              | 180      |                               | 210      |                                 | 240      |